

Claims

- [c1] 1. A method of weighing a quantity of dry substance on a weighing instrument, comprising the steps of:
providing a paper weighing dish with at least one surface that is lubricious and substantially impermeable to finely powdered dry chemicals, wherein said container comprises a bottom wall and a raised perimeter sidewall continuous with, and surrounding said bottom wall, wherein said perimeter sidewall comprises a multiplicity of upwardly oriented flutes;
placing said weighing dish on a weighing surface of said instrument;
optionally adjusting an instrument's weight reading to zero; and
adding said quantity of dry substance to said weighing dish.
- [c2] 2. The method of claim 1 wherein said weighing dish is sterile.
- [c3] 3. The method of claim 2 wherein said weighing dish has been sterilized by a process selected from the group consisting of radiation sterilization and gas sterilization.

- [c4] 4. The method of claim 3 wherein said paper has a slide angle measured in accordance with TAPPI standards of between 8 degrees and 30 degrees.
- [c5] 5. The method of claim 4 wherein said a slide angle is between 10 and 20 degrees.
- [c6] 6. The method of claim 1 wherein said paper is selected from the group consisting of low friction papers, glazed papers, high slip papers, gloss-finished papers, super-calendered papers and combinations thereof.
- [c7] 7. The method of claim 1 wherein said paper is glassine paper.
- [c8] 8. The method of claim 1 wherein said paper is between 0.001 and 0.010 inches thick.
- [c9] 9. The method of claim 8 wherein said paper is between 0.001 and 0.004 inches thick.
- [c10] 10. The method of claim 1 wherein the shaping of said weighing dish is produced using a mechanical forming die that utilizes a forming means selected from the group consisting of pressure, heat, and a combination thereof.
- [c11] 11. The method of claim 1 wherein said weighing dish is an open dish-shaped structure selected from the group

consisting of tubs, trays, cups, bowls, canisters and other vessels that are free of any structural feature that would interfere with said substantially quantitative transfer of said substance.

[c12] 12. The method of claim 1 wherein at least a portion of said perimeter sidewall is formed into an exit spout or mouth to facilitate said substantially quantitative transfer of said substance.

[c13] 13. The method of claim 1 wherein the shape of said bottom wall is selected from the group consisting of round, oval, square, rectangle, triangle and polygon.

[c14] 14. The method of claim 13 wherein the length measured across the largest dimension of said bottom wall is between 1 inch and 6 inches.

[c15] 15. The method of claim 14 wherein said length is between 1.5 inches and 4 inches.

[c16] 16. The method of claim 1 wherein the height of said perimeter wall is between 0.10 inches and 2 inches.

[c17] 17. The method of claim 16 wherein said height is between 0.25 inches and 1.5 inch.

[c18] 18. A method of measuring out a predetermined weight quantity of dry substance on a weighing instrument,

comprising carrying out the steps of claim 1 but substituting for said adding step, the step of adding or subtracting empirically selected amounts of said substance in said weighing dish until the predetermined weight reading is reached.

[c19] 19. A paper weighing dish with at least one surface that is lubricious and substantially impermeable to finely powdered dry chemicals, wherein:

a)said weighing dish comprises a bottom wall and a raised perimeter sidewall continuous with, and surrounding said bottom wall;
b)said perimeter sidewall comprises a multiplicity of upwardly oriented flutes; and
c)said weighing dish has been sterilized, so that the lubricity of said container and the configuration and arrangement of said flutes cooperate to allow a substantially quantitative transfer of said substance following weighing, by sliding said substance into a receiving vessel.

[c20] 20. The paper weighing dish of claim 19, wherein further:

d)said paper optionally has a slide angle measured in accordance with TAPPI standards of between 10 and 20 degrees;
e)said paper is optionally selected from the group con-

sisting of glassine papers, low friction papers, glazed papers, high slip papers;

f)said paper is optionally between 0.001 and 0.004 inches thick;

g)the shaping of said weighing dish is optionally produced using a mechanical forming die that utilizes a forming means selected from the group consisting of pressure, heat, and a combination thereof.

- [c21] h)said weighing dish is optionally an open dish-shaped structure selected from the group consisting of tubs, trays, cups, bowls, canisters and other vessels that are free of any structural feature that would interfere with said substantially quantitative transfer of said substance;
- i) at least a portion of said perimeter sidewall is optionally formed into an exit spout or mouth to facilitate said substantially quantitative transfer of said substance;
- j)the shape of said bottom wall is optionally selected from the group consisting of round, oval, square, rectangle, triangle and polygon;
- k)length measured across the largest dimension of said bottom wall is optionally between 1.5 inches and 4 inches; and
- l)the height of said perimeter wall is optionally between 0.25 inches and 1.5 inch.

[c22] 21. An assembly comprising a dry substance to be weighed disposed within a disposable paper weighing dish that is configured and arranged to hold said substance, wherein said weighing dish comprises at least one surface that is lubricious and substantially impermeable to finely powdered dry chemicals, and wherein:

- a)said weighing dish comprises a bottom wall and a raised perimeter sidewall continuous with, and surrounding said bottom wall;
- b)said perimeter sidewall comprises a multiplicity of upwardly oriented flutes;
- c)said weighing dish has been sterilized by a process selected from the group consisting of radiation sterilization and gas sterilization;
- d)said paper has a slide angle measured in accordance with TAPPI standards of between 10 and 20 degrees;
- e)said paper is selected from the group consisting of glassine papers, low friction papers, glazed papers, high slip papers;
- f)said paper is between 0.001 and 0.004 inches thick;
- g)the shaping of said weighing dish is produced using a mechanical forming die that utilizes a forming means selected from the group consisting of pressure, heat, and a combination thereof.

[c23] h)said weighing dish is an open dish-shaped structure

selected from the group consisting of tubs, trays, cups, bowls, canisters and other vessels that are free of any structural feature that would interfere with said substantially quantitative transfer of said substance;

i)at least a portion of said perimeter sidewall is formed into an exit spout or mouth to facilitate said substantially quantitative transfer of said substance;

j)the shape of said bottom wall is selected from the group consisting of round, oval, square, rectangle, triangle and polygon;

k)length measured across the largest dimension of said bottom wall is between 1.5 inches and 4 inches;

l)the height of said perimeter wall is between 0.25 inches and 1.5 inch,

so that the lubricity of said weighing dish and the configuration and arrangement of said flutes cooperate to allow a substantially quantitative transfer of said substance following weighing, by sliding said substance into a receiving vessel.

[c24] 22. A kit comprising the weighing dish of claim 19 and a weighing instrument.